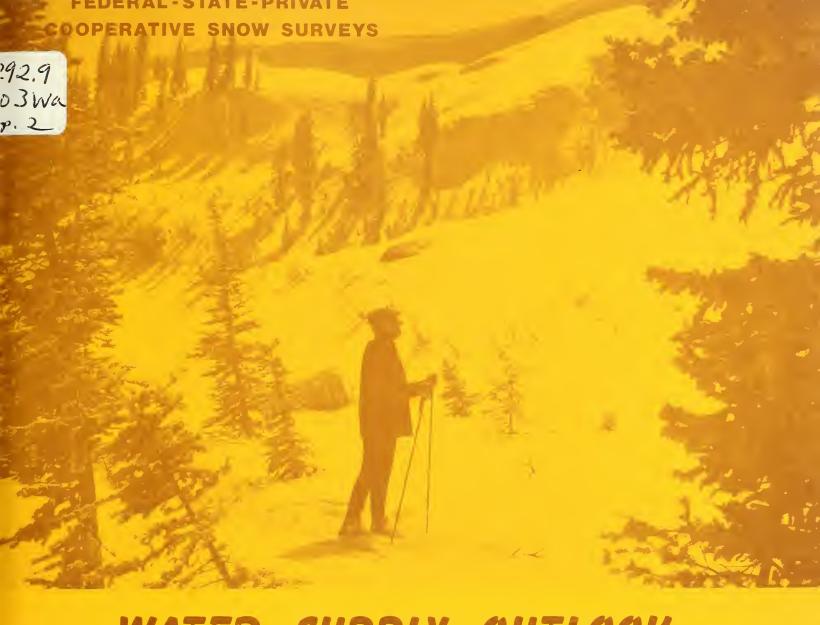
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WATER SUPPLY OUTLOOK FOR

UTAH

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OCT 21 1971

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CURRENT SERIAL RECORDS

Prepared by

U. S. DEPARTMENT of AGRICULTURE SOIL CONSERVATION SERVICE

Collaborating with

UTAH STATE DEPARTMENT OF NATURAL RESOURCES -- DIVISION OF WATER RIGHTS

In cooperation with U.S. Forest Service, Bureau of Reclamation, Utah Fish and Game Dept., Utah State University, U.S. National Park Service, U.S. Geological Survey, and other Federal, State, and private organizations.



TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbis Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters of key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	12417 Federal Building, Denver, Colorado 80202
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 970, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

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PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia

WATER SUPPLY OUTLOOK FOR UTAH

and FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

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In Cooperation with

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STATE ENGINEER
DIVISION OF WATER RIGHTS
UTAH STATE DEPT. OF NATURAL RESOURCES

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WATER SUPPLY OUTLOOK

JUNE 3, 1971

NORTHERN UTAH

Bear River

The water supply outlook on the Bear River is still excellent. Snow measurements taken on the Logan River on May 25, showed 99 inches of depth containing 48.7 inches of water at Steep Hollow #1 (8500 feet). Steep Hollow #2 (7700 feet) had 42 inches of snow depth containing 20.8 inches of water. Garden City Summit snow course had 26 inches depth and 12.3 inches of water content. These are the highest June 1 measurements of record on these snow courses. Last year these courses had 32.9 and 11.7 inches of water respectively on June 1.

The Logan River had peaked at about 1300 c.f.s. and dropped back to about 1100 c.f.s. on June 1 due to cooler weather according to the U.S. Geological Survey. Hayden Fork snow course on the Upper Bear had 12 inches of snow depth containing 5.9 inches of water content. This course had 5.8 inches of water last year. Monte Cristo R.S. had 50 inches of snow depth containing 25.4 inches of water content. This is a new record high June 1 measurement for Monte Cristo. Last year it had 17.0 inches of water content. Woodruff Narrows, Woodruff Creek, and Porcupine Reservoirs are full and Hyrum had 13,590 acre feet of water on June 1.

Weber-Ogden Rivers

The water supply outlook for the Weber and Ogden Rivers remains very good. Snow was found at only the highest elevations. Ben Lomond Peak had a depth of 37 incontaining 18.2 inches of water. Last year it had 19.4 of water. Horse Ridge snow course had a depth of 16 inches containing 8.2 inches of water on May 20. This course melted out on May 26 according to daily radio reports received from the site. Chalk Creek #1, measured May 26, had a depth of 41 inches containing 19.4 inches of water. Last year it had 13.0 inches of water. Reddon Mine upper and lower courses had 9 and 4 inches depth containing 4.4 and 1.8 inches of water respectively.

WATER SUPPLY OUTLOOK (continued)

May streamflow into Pineview Reservoir was 69,500 acre feet or 158% of the 1953-67 average. May inflow to Lost Creek Reservoir was 12,700 acre feet (208%). East Canyon Reservoir May inflow was 10,700 acre feet (153%). These flows were very close to those expected by the May-June forecasts issued May 6. The upper Weber at Oakley flow for May has been well below expectations but may have a better flow in June as warmer temperatures melt the remaining high snow.

Provo-Utah Lake-Jordan River

The water supply outlook for Provo River-Utah Lake-Jordan River drainage is "average to above average". Snow cover remains only above 8000 feet. Trial Lake (9800 feet), on the upper Provo, had a depth of 54 inches containing 29.9 inches of water. Last year it had 17.8 inches of water. Farmington Upper (8000 ft.) had a depth of 32 inches containing 16.4 inches of water. Last year it had 18.7 inches of water. Rocky Basin at the head of Settlement Canyon above Tooele had a snow depth of 36 inches containing 17.3 inches of water on May 27. Silver Lake (8725 ft.) at Brighton had a depth of 14 inches containing 9.0 inches of water. Last year it had 15.1 inches of water on June 1.

Streamflow in this area was a little above average during May. Big Cottonwood Creek had a volume of 12,620 acre feet or 110% of the 1953-67 May average. It was expected to reach peak flow during the first 7 to 10 days of June. Strawberry Reservoir held 233,600 acre feet on June 1 and Deer Creek is full. Utah Lake now was 0.2 foot below Compromise and the May inflow was 60,600 acre feet or 114% of 1953-67 May average.

WATER SUPPLY OUTLOOK (continued)

EASTERN UTAH

Duchesne River-Uintah Basin

The water supply outlook for Duchesne River and tributaries is "near average". Cool temperatures have retained a good snow cover at higher elevations. Lakefork Mountain had a depth of 12 inches containing 4.1 inches of water. Last year it was bare at this time. Paradise Park had a depth of 27 inches containing 10.4 inches of water. Last year it had only 2.3 inches of water on June 1. Julius Park had a depth of 10 inches containing 3.8 inches of water. Last year it was bare. Mosby Mountain had a depth of 6 inches containing 2.6 inches of water. Last year it had only 0.1 inch of water. The only course on the north side and eastern end of the Uintahs with snow was Spirit Lake which had a depth of 30 inches containing 13.0 inches of water. Last year it had 4.1 inches of water.

Cool weather reduced May snow melt and streamflow was well below average. Whiterocks River flowed only 69% of the May average for the 1953-67 period. Streamflow is expected to increase as temperatures rise and melt the high elevation snow. The May-July streamflow in Uintah Basin is still expected to be "near" or a "slightly above" the 15-year average as forecast on May 1.

Price, San Rafael, Muddy and Fremont Rivers

The water supply outlook for the Price, San Rafael, Muddy, and Fremont Rivers is "near average" although dimmed slightly from a month ago. None of the snow courses in this area had measureable snow on June 1 and streams have started to recede. Joe's Valley reservoir held 48,500 acre feet on June 1.

CENTRAL and SOUTHERN UTAH

Sevier River

The water supply outlook for the Sevier River ranges from "fair to poor" in the upper basin without storage water to "above average" in the lower basin with good reservoir storage. Cool temperatures have delayed snow melt at higher elevations. Midway Valley on the upper Sevier had a snow depth of 21 inches containing 10.1 inches of water. Last year it was bare by June. G.B.R.C. Meadows on the San Pitch had 42 inches of depth containing 20.6 inches of water. Last year it had 17.8 inches of water about June 1. Mt. Baldy R.S. had 39 inches depth containing 19.3 inches of water. Last year it had 18.3 inches of water.

Reservoir storage is above average. Sevier Bridge held 198,500 acre feet and Gunnison Reservoir held 12,940 acre feet on June 1.

Beaver River

The water supply outlook for Beaver River remains "near average". Big Flat snow course was measured on May 25, and had depth of 52 inches containing 18.5 inches of water. Since that date, radio reports from the site indicate the snow pack has lost only about 1.9 inches of water. This leaves about 16.6 inches

WATER SUPPLY OUTLOOK (continued)

of water at the course as of June 3. Cool weather has reduced the melt rate to about 0.1 to 0.3 inches per day. Otter Lake snow course had an average depth of 17 inches containing 7.6 inches.

Beaver River stream flow was 97% of the 1953-67 average for May and is expected to remain near average as the high elevation snow melts.

Coal Creek, Parowan Creek, Virgin & Santa Clara Rivers

The water supply outlook on Coal Creek, Parowan Creek and Virgin River basin is "poor". Snow cover is gone on all but the highest elevations and streams are falling faster than usual.

The only snow courses with measureable snow as of May 28, were Midway Valley and Brian Head. Midway had a depth of 21 inches containing 10.1 inches of water and Brian Head had a depth of 19 inches with 8.6 inches of water. Water supplies in this area are expected to be poor after mid season. Streams are expected to fall faster than usual unless held up by above average precipitation.

NOW		/	THIS YEAR	<u> </u>		ECORD
DRAINAGE BASIN and/or SNOW COURSE NAME	- Florence	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Cont	ent (inches)
IVAL'IE	Elevation		<u> </u>		East Tea	2 year
JUNE 1, 1971 - SNOW MEASUREM	IENTS					ago
UPPER BEAR RIVER (Above Harer, Idaho)				-		
Burts-Miller Ranch Hayden Fork Monte Cristo R.S. Stillwater Camp	7900 9400 8960 8550	5/24 5/24 5/27 5/24	0 12 50 0	0.0 5.9 25.4 0.0	0.0 5.8 17.0 0.0	0.0
LOWER BEAR RIVER (Below Harer, Idaho)						
Garden City Summit Klondike Narrows Steep Hollow #1 Steep Hollow #2 Tony Grove R.S. Willow Flat	7600 7400 8500 7700 6250 6100	5/25 5/25 5/25 5/25 5/25 Not	26 6 99 42 0 Schedule	12.3 2.7 48.7 20.8 0.0	3.8 0.0 32.9 11.7 0.0	0.0 0.0 1.9 0.0 0.0
OGDEN RIVER						
Ben Lomond(1ower) Ben Lomond Peak Ben Lomond Trail Cutler Creek Dry Bread Pond Horse Ridge Sagebrush Flat	6000 8000 6000 6780 8230 8260 6300	5/26 5/26 5/26 5/26 5/27 5/20 5/27	0 37 0 0 4 16 0	0.0 18.2 0.0 0.0 2.0 8.2 0.0	0.0 19.4 0.0 0.5 1.8 0.0	0.0
WEBER RIVER						
Beaver Creek R.S. Chalk Creek #1 Chalk Creek #2 Chalk Creek #3 Farmington Canyon(lower) Farmington Canyon(upper) Parley's Canyon Smt. Redden Mine(lower) Redden Mine(upper) Smith & Morehouse	7500 9100 7900 7500 6950 8000 7500 8500 9000 7600	5/27 5/26 5/26 5/28 5/28 5/27 5/27 5/27 5/26	0 41 0 0 0 32 0 4 9	0.0 19.4 0.0 0.0 0.0 16.4 0.0 1.8 4.4	0.0 13.0 0.0 0.0 0.0 18.7 0.0 2.4 5.2 0.0	0.0

SNOW			THIS YEAR		PAST R	ECORD
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)		ent (inches)
NAME	Elevation	or survey	(menes)	(menes)	Last Year	**********
						2 years ago
UTAH LAKE						
Clear Creek Ridge #2	8000	5/28	0	0.0	0.0	0.0
Daniels-Strawberry Smt.	8000	5/27	0	0.0	0.0	0.0
Dutchman R.S.	7560	5/28 5/28	0	0.0	0.0	0.0
Hobble Creek Summit	7420 8050	5/28 5/28	0	0.0	0.0	0.0
Payson R.S. Soapstone R.S.	7800	5/28 5/27		0.0	0.0	0.0
Timpanogos Divide	8140	5/27 6/2	0	0.0	0.0	0.0
Trial Lake	9800	5/27	54	29.9	17.8	12.3
	7000	J/ -1	,	27.7	17.0	12.0
JORDAN RIVER & TOOELE VALLEY						
Lamb's Canyon	6600	5/27	0	0.0	0.0	0.0
Middle Canyon - Tooele	7000	5/28	0	0.0	0.0	0.0
Rocky Basin-Settlement Canyon	8900	5/27	36	17.3		
Silver Lake	8725	5/27	14	9.0	15.1	
Vernon Creek	7500	5/28	0	0.0	0.0	
UINTAH BASIN SCD						
Daniels-Strawberry Smt.	8000	5/27	0	0.0	0.0	0.0
Grizzly Ridge	8500	5/26	0	0.0	0.0	0.0
Indian Canyon	9100	5/25	0	0.0	0.0	0.0
Julius Park	9800	5/25	10	3.8	0.0	0.0
King's Cabin(lower)	8600	5/26	0	0.0	0.0	0.0
King's Cabin(upper)	8730	5/26	0	0.0	0.0	0.0
Lakefork Mountain	10200	5/27	12	4.1	0.0	0.0
Lakefork Mountain #2	8900	5/27	0	0.0	0.0	0.0
Lakefork Mountain #3 Mosby Mountain	8100	5/27	0	0.0	0.0	0.0
Paradise Park	9500 10100	5/25 5/25	6 27	2.6 10.4	0.1	0.0
Rock Creek	7900	5/25	0	0.0	2.3 0.0	0.0
White River #1	8550	5/28	0	0.0	0.0	0.0
DAGGETT SCD		,				
DAGGETT SCD						
Black's Fork Jct.	8925	5/25	0	0.0	0.0	0.0
Burnt Creek	7900	5/21	0	0.0	0.0	0.0
East Fk. Black's Fk. G.S.	9300	5/25	0	0.0	0.0	0.0
Hewinta Guard Station Hickerson Park	9500	5/25	0	0.0	3.6	0.0
Spirit Lake	9100 10300	5/21	0	0.0	0.0	0.0
Opinio Lune	10300	5/24	- 30	13.0	4.1	0.0
PRICE RIVER						
Gooseberry Reservoir	8700	5/24	0	0.0	0.0	0.0
Mud Creek #2	8300	5/28	0	0.0	0.0	0.0
White River #1	8550	5/28	0	0.0	0.0	0.0

SNOW			THIS YEAR		PAST R	ECORD
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)		ent (inches)
NAME	Elevation			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Last Year	********
SAN RAFAEL RIVER						2 years ago
Buck Flat Red Pine Ridge Stuart R.S.	9400 9400 79 <i>5</i> 0	5/31 5/28 5/27	0 0 0	0.0 0.0 0.0	0.6	0.0
FREMONT RIVER						
Black's Flat-U.M. Creek Fish Lake	92 <i>5</i> 0 8700	5/26 5/26	0	0.0	0.2	0.0
SOUTHEASTERN UTAH DRAINAGES						
Buckboard Flat Camp Jackson LaSal Mountain LaSal Mountain(upper)	9000 8600 8800 9400	5/28 5/28 5/27 5/27	0 0 0 0	0.0 0.0 0.0	0.0	0.0
UPPER SEVIER RIVER (South of Richfield, Utah)						
Box Creek Castle Valley Duck Creek R.S. Fish Lake Harris Flat R.S. Kimberly Mine Midway Valley Panguitch Lake Squaw Springs Widtsoe-Escalante Widtsoe-Escalante #2 Widtsoe-Escalante #3	9800 9700 8700 8700 7700 9300 9800 8200 9300 9500 9500	5/26 5/25 5/24 5/26 5/24 5/25 5/28 5/24 5/24 5/24 5/24	0 0 0 0 0 3 21 0 0 0	0.0 0.0 0.0 0.0 1.2 10.1 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 17.2 0.0 0.0 0.0
LOWER SEVIER RIVER (Including San Pitch))						
Beaver Dams G.B.R.C. Headquarters G.B.R.C. Meadows Gooseberry R.S. Mammoth R.SCtnwd. Creek Mt. Baldy R.S. Oak Creek Pine Creek Shingle Mill Big Flat Merchant Valley Otter Lake	8000 8700 10000 8400 8800 9500 7760 8700 6200 10290 8200 9300	5/26 5/28 5/27 5/24 5/26 5/28 5/27 5/27 5/25 5/25	0 0 42 0 0 39 0 0 0 52 0 17	0.0 0.0 20.6 0.0 0.0 19.3 0.0 0.0 18.5 0.0 7.6	0.0 0.0 17.8 0.0 0.0 18.3 0.0 0.0 0.0 14.8 0.0 4.6	0.0 0.0 8.0 0.0 0.0 12.3 0.0 0.0

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR					ent (inches)
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	*X***X
/IRGIN RIVER & COAL CREEK						
		- (20				
ebster Flat	9200	5/28	0	0.0	0.0	0.0
AROWAN CREEK			- ACC NAME TO A STATE OF THE ST			
rian Head all Poles	10000 8800	5/28 5/28	19 0	8.6	1.2	8.5
ankee Reservoir	8700	5/28	0	0.0	0.0	0.0
NTERPRISE TO NEW HARMONY DRAI	INAGES					
ittle Grassy Creek	6100	6/1	0	0.0	0.0	0.0
ong Flat	8000	6/1	0	0.0	0.0	0.0
DECEMBER 1, 1970 -	- SUPPLE	ENTAL ME	ASUREMEN	TS		
eaver Crk-Skunk Crk en Lomond (lower)	71 <i>5</i> 0 6000	12/1 11/30	25 16	5.2 3.8		-
Sen Lomond Trail	6000	11/30	18	4.2		_
lack's Flat-U.M. Crk. ox Creek	92 <i>5</i> 0 9800	11/23	10 14	2.5		
aniels-Strawberry Smt.	8000	12/2	20	4.0		
ry Bread Pond	8230	12/8	34	10.2		-
ry ValleyDivide utchman R.S.	7800 7560	12/1	17 26	3.4 6.2	1.5	1.6
migrant Summit	7350	11/30	32	7.5		
arden City Summit	7600 8500	12/2	39	7.9	2 5	-
rizzly Ridge ohnson Valley	8850	11/23	9	2.7	3.5	
ones Meadow	7600	12/1	7	1.6		
imberly Mine Monte Cristo R.S.	9300 8960	11/24 12/8	14 51	4.2 14.9		-
lud Creek	8300	12/1	24	5.8	2.4	2.6
ine Creek	8700	11/25	20	6.2		
agebrush Flat hingle Mill	6300 6200	12/1 11/25	12 9	1.7 3.0	1.8	2.0
oapstone R.S.	7800	12/7	24	5.9		_
quaw Springs impanogos Divide	9300 8140	11/24 12/9	5	1.7		-
rial Lake	9800	12/9	37 52	9.0	5.4	6.0
White River #1	8550	11/30	22	4.2	3.5	2 . !
Nhite River #2 Nhite River #3	7600 7400	11/30 11/30	. 13	3.0 2.1	1.0	
	, , , , ,	/) .		۷ ۰ ۱	1.0	

DRAINAGE BASIN and	E. E		RENT INFORMAT		FROM APPROX. OCT. I		
PRECIPITATION GAGE LOCATION	ELEVATION	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
GREAT BASIN DRAINAGE							
UPPER BEAR RIVER (Above Harer, Idaho)					•		
Burts-Miller Ranch Chalk Creek #3 Hayden Fork Monte Cristo #2 Salt River Summit Stillwater Camp Trial Lake	7900 7500 9300 8960 7900 8550 9800	5/24 5/26 5/24 5/27 5/28 5/24 5/27	2.53 2.15 4.50 1.77 1.45 3.23 2.27	2.18b 	15.85 20.84 33.10 48.97 31.85 21.32 38.23	18.82b 33.10b 17.92* 28.20*	111 148 119 136
LOWER BEAR RIVER (Below Harer, Idaho)					1		
Dry Bread Pond Garden City Summit Monte Cristo #2 Willow Flat	8230 7600 8960 6100	5/27 5/25 5/27 6/1	1.17 2.27 1.77 3.57	3.05* 1.84* 2.79b 3.27b	39.21 33.95 48.97 43.39	26.95* 23.53* 33.10b 28.44*	144
OGDEN RIVER							
Ben Lomond (lower) Ben Lomond Trail Causey Dam Dry Bread Pond Horse Ridge Lost Creek Monte Cristo #2 Sagebrush Flat	5850 6000 5500 8230 8260 6125 8960 6300	5/26 5/26 5/27 5/27 5/20 5/20 5/27	1.86 1.95 0.69 1.17 1.15 0.77 1.77	2.95* 3.73b 2.03b 3.05* 2.79b 2.21b	38.20 41.28 17.79 39.21 45.25 12.29 48.97 22.09	31.14% 35.45% 26.95% 33.10b 18.20b	_
WEBER RIVER							
Chalk Creek #3 Farmington G. S. Farmington Rice Mt. Dell Dam Parley's Canyon Smt. Redden Mine (upper) Silver Lake(Brighton) Smith & Morehouse Trial Lake	7500 7500 7000 5500 7500 9000 8725 7600 9300	5/26 5/28 5/28 5/31 5/27 5/27 Delayed 5/26 5/27	2.15 3.83 3.84 1.33 1.80 2.40 Data 2.15 2.27	2.18b 3.82 3.65 2.13 2.80 	20.84 47.23 40.72 19.46 32.12 33.18 25.66 38.23	18.82b 36.12 33.57 16.85 26.84* 36.20 22.57 28.20*	111 131 121 115 120
PROVO RIVER & UTAH LAKE							
Clear Creek Ridge #2 Daniels-Strawberry Smt. Dutchman R.S. East Portal Ridge Hobble Creek Summit	8000 8000 7 <i>5</i> 00 7800 7300	5/28 5/27 5/28 5/31 5/28	1.45 1.64 1.03 1.85 0.78	2.23b 1.92* 2.67b 2.89*	23.32 24.65 26.89 22.54 23.91	19.52% 21.75% 25.84b 23.42%	119 113 104 96

PRECIPITATION (Inches)		CUPE	RENT INFORMA	TION	FROM A	PPROX. OCT. I	TO DATE
DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
		Reading	Precipitation				Average
PROVO RIVER & UTAH LAKE	Cont.						
Payson R.S. Soapstone R.S. Timpanogos Divide Trial Lake	80 <i>5</i> 0 7800 8200 9800	5/28 5/27 6/2 5/27	1.10 1.77 2.22 2.27	2.23b 2.08* 2.77 3.15	23.37 23.96 31.43 38.23	22.79 19.69* 30.24 28.20*	104
JORDAN RIVER & TOOELE VAL	LEY						
Lamb's Canyon Middle Canyon Mt. Dell Dam Parley's Canyon Smt. Rocky Basin-Settlmt. Cyn Silver Lake(Brighton) Vernon Creek	6600 7000 5500 7500 8900 8725 7500	5/27 5/28 5/31 5/27 5/27 Delayed 5/28	2.30 1.88 1.33 1.80 2.28 Data 0.96	3.05b 2.13 2.80 5.41	24.34 24.69 19.46 32.12 43.31	23.90* 16.85 26.84* 36.20	115
SEVIER RIVER ABOVE RICHF	ELD						
Big Flat Box Creek Castle Valley Duck Creek R.S. Fish Lake Kimberly Mine Panguitch Lake Webster Flat Widtsoe-Escalante #3 Widtsoe R.S.	10290 9800 9700 8560 8700 8900 8200 9200 9500 7600	5/25 5/26 5/25 5/24 5/26 5/25 5/24 5/24 5/24	4.38 3.02 2.60 3.64 1.95 2.63 1.32 3.50 3.37 1.24	3.03* 2.27b 1.90b 1.76* 1.50b 3.21* 1.09b 2.03 2.00* 0.97	22.13 17.81 17.93 18.43 13.04 24.87 9.22 22.60 14.57 7.21	21.85* 18.33b 19.99b 21.51* 11.54b 25.54* 9.21b 24.03 17.19* 6.34	97 90 86 113 97 100 94
SEVIER RIVER BELOW RICHF: (Including San Pitch River)	1						
Beaver Dams G.B.R.C. Headquarters G.B.R.C. Meadows G.B.R.C. Oaks Gooseberry R.S. Mammoth R.S. #2 Gooseberry Reservoir Mt. Baldy R. S. Oak Creek Pine Creek Shingle Mill	8000 8700 10000 7655 7800 8600 8700 9500 7760 8700 6200	5/26 5/28 5/28 5/27 5/27 5/24 5/26 5/29 5/29 5/27	0.75 1.77 2.50 0.87 1.14 1.22 1.40 1.70 1.44 2.57	2.75b 2.80 3.21 2.22 2.71* 2.55* 2.75* 3.36b 3.99b 2.76b	16.75 25.22 33.22 14.72 21.58 25.01 23.22 24.40 17.15 35.37 21.64	19.79* 24.15 28.30 16.85 17.80* 24.30* 23.38* 22.70* 30.53b 19.30b	104 117 87 121 103 99 107
BEAVER RIVER Beaver Canyon P.H.	7275	5/31	2.13	2.75b	11.92	19.79*	60
Big Flat Merchant's Valley	10290 8650	5/25 5/25	4.38	3.03*	22.13	21.85*	101

DRAINAGE BASIN and	ELEVATION	CURRENT INFORMATION LEVATION Date of Month's +				PROX. OCT. I T	1	
PRECIPITATION GAGE LOCATION	ELEVATION	Reading	Precipitation	Average +	This Year	Average +	Average	
PAROWAN CREEK								
	0000	- /00	0.10		17 1.0			
Tall Poles Yankee Reservoir	8800 8700	5/28 5/28	2.10	 1.71b	17.48 15.63	15.70b	100	
COAL CREEK								
Webster Flat	9200	5/28	3.50	2.03	22.60	24.03*	94	
ENTERPRISE TO NEW HARMON' DRAINAGE	·							
Little Grassy Creek	6100	6/1	2.55	0.80b	13.42	14.54b	92	
Long Flat	8000	6/1	2.33	1.44b	14.45	15.29b	91	
COLORADO RIVER DRAINAGE								
IDDED ODEEN DIVED IN UTA								
JPPER GREEN RIVER IN UTAM (Tributaries above Flamia	1)						
Black's Fork Jct.	8925	5/25	3.11	2.19b	20.18	16.53*	122	
Burnt Creek	7900	5/21	2.85		14.84			
East Fk. Black's Fk.G.S. Hewinta G.S.	9300 9500	5/25	3.50	2.63b	21.85	16.64b	13	
Hewinta G.S. Hickerson Park	9100	5/25 5/21	3.13	2.74b	22.19 16.57	17.69b	12	
Spirit Lake	10300	5/24	5.81	3.76b	23.56	22.09*	107	
GREEN RIVER TRIBUTARIES FLAMING GORGE & DUCHESNE	1							
Grizzly Ridge	8500	5/26	4.52		19.35			
King's Cabin(upper)	8730	5/26	4.77	2.47b	17.43	15.35b	114	
DUCHESNE RIVER								
Daniels-Strawberry Smt.	8000	5/27	1.64	1.92*	24.65	21.75*	113	
East Portal Ridge	7800	5/31	1.85	2.89	22.54	23.42%	96	
Indian Canyon Julius Park	9100 9800	5/25 5/25	1.80	2.00b	16.24	17.41b	9:	
Lakefork Mountain	10500	5/27	3.52 2.96	2.53* 2.54*	17.11 18.25	16.76* 16.18*	10:	
Moon Lake	8150	5/31	3.05	1.76	11.95	10.77	11	
Mosby Mountain	9500	5/25	3.10		15.92			
Paradise Park Rock Creek	10100 7900	5/25 5/25	3.60	2.73b 2.01b	18.99 15.90	18.25* 14.57b	104	
Soapstone R.S.	7800	5/27	1.77	2.08*	23.96	19.69*	122	
Trial Lake	9800	5/27	2.27	3.15	38.23	28.20*	136	
White River #1	8600	5/28	1.80	1.92b	18.10	17.51*	103	

PRECIPITATION (Inches)			RENT INFORMA	TION	FROM AF	PROX. OCT. I	TO DATE
DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
PRICE RIVER							
Clear Creek Ridge #2 Gooseberry Reservoir Indian Canyon Mammoth R.S. #2 Mud Creek White River #1	8000 8700 9100 8600 8300 8600	5/28 5/24 5/25 5/24 5/28 5/28	1.45 1.40 1.80 1.22 2.10 1.80	2.23b 2.75b 2.00b 2.55* 1.96* 1.92b	23.32 23.22 16.24 25.01 17.30 18.10	19.52* 23.38* 17.41b 24.30* 18.78* 17.51*	119 99 93 103 92 103
SAN RAFAEL RIVER							
Buck Flat G.B.R.C. Meadows Gooseberry Reservoir Orange Olsen Red Pine Ridge	9400 10000 8700 7300 9400	5/31 5/28 5/24 5/28 5/28	2.45 2.50 1.40 1.00 2.00	2.44b 3.21 2.75b 2.43b	25.05 33.22 23.22 10.10 28.65	21.81* 28.30 23.38* 25.05*	115 117 99 114
MUDDY RIVER							
Mt. Baldy R.S.	9500	5/26	1.70	3.36b	24,40	22.70*	107
FREMONT & ESCALANTE RIVER	RS						
Black's Flat-U.M. Crk. Fish Lake Widtsoe-Escalante #3	9250 8700 9500	5/26 5/26 5/24	2.02 1.95 3.37	2.19b 1.50b 2.00*	17.25 13.04 14.57	16.53* 11.54b 17.19*	104 113 85
VIRGIN RIVER							
Duck Creek R.S. Webster Flat	8560 9200	5/24 5/28	3.64 3.50	1.76* 2.03	18.43 22.60	21.57* 24.03	85 94
SOUTHEASTERN UTAH DRAINAG	iES						
Buckboard Flat Camp Jackson LaSal Mountain(upper)	9000 8600 9600	5/28 5/28 5/27	2.10 2.75 2.70	2.25b 1.83* 2.87b	14.73 15.05 18.80	22.11b 18.42* 19.73*	67 82 95

SOIL MOISTURE

DRAINAGE BASIN and/or STATION	1 =		e (Inches)	Date of Survey	Soil	Moisture (Inc		
N ame	Elevation	Depth	Capacity	Survey	Year	Year	Average 1	
AUGUST 1, 1970								
Mammoth R.SCtnwd. Creek	8800	60	21.9	7/31	15.2	16.4	15.2	
NOVEMBER 1, 1970								
Beaver Crk-Skunk Crk Ben Lomond(lower) Currant Creek Daniels-Strawberry Smt. Dry Bread Pond Mammoth R.SCtnwd. Creek Mud Creek White River #1	7150 5850 7800 8000 8230 8800 8300 8600	48 72 72 48 48 60 72 48	18.4 26.5 22.0 14.0 19.0 21.9 14.4 16.0	10/29 10/29 10/27 10/30 10/29 10/29 11/2 11/2	9.1 19.1 7.6 6.5 13.7 11.4 11.0	7.1 12.8 14.7 7.9 13.4 11.6 11.0 8.2	 6.0 13.7 11.0	
DECEMBER 1, 1970								
Ben Lomond(lower) Dry Bread Pond Mud Creek White River #1	58 50 8230 8300 8600	72 48 72 48	26.5 19.0 14.4 16.0	11/30 12/8 12/1 11/30	22.9 15.0 10.8 9.7	 10.9 7.7	 	
JANUARY 1, 1971								
Ben Lomond(lower) Daniels-Strawberry Smt. Mammoth R.SCtnwd. Crk. Mud Creek	5850 8000 8800 8300	72 48 60 72	26.5 14.0 21.9 14.4	12/28 12/30 12/29 12/30	22.6 10.1 11.4 10.9			
FEBRUARY 1, 1971								
Beaver Crk-Skunk Crk. Ben Lomond (lower) Chalk Creek #2 Daniels-Strawberry Smt. Dry Bread Pond Mammoth R.SCtnwd. Crk. Mud Creek	7150 5850 8000 8000 8230 8800 8300	48 72 48 48 48 60 72	18.4 26.5 18.0 14.0 19.0 21.9	1/29 1/28 1/27 1/28 1/29 1/27 1/28	14.9 22.9 15.5 12.8 16.9 16.9	7.2 19.3 12.4 9.0 14.5	13.6 13.3 6.6 13.6 10.7	
MARCH 1, 1971								
Beaver Crk-Skunk Crk Ben Lomond (lower) Chalk Creek #2 Daniels-Strawberry Smt. Dry Bread Pond Mammoth R.SCtnwd. Crk. Mud Crk. White River #1	7150 5850 8000 8000 8230 8800 8300 8600	48 72 48 48 48 60 72 48	18.4 26.5 18.0 14.0 19.0 21.9 14.4 16.0	2/25 2/23 2/24 2/25 2/25 2/25 2/26	14.1 22.8 15.6 12.2 16.9 18.4 10.8	7.4 21.7 11.8 9.4 13.6 12.4 10.9 4.9		

SOIL MOISTURE

DRAINAGE BASIN and/or STATION			e (Inches)	Date of		Moisture (Inc	
Name	Elevation	Depth	Capacity	Survey	This Year	Last Year	Average
APRIL 1, 1971							
Beaver Crk-Skunk-Crk. Ben Lomond (lower) Chalk Creek #2 Corral Currant Creek Daniels-Strawberry Smt. Dry Bread Pond Grassy Trail Crk-Left Fork Little Grassy Crk. Mammoth R.SCtnwd. Crk. Mud Creek White River #1	7150 5850 8000 8200 7800 8000 8230 6100 6100 8800 8300 8600	48 72 48 48 72 48 48 72 72 60 72 48	18.4 26.5 18.0 13.4 22.0 14.0 19.0 14.5 24.5 21.9 14.4 16.0	3/29 3/25 3/26 4/5 3/29 3/29 4/5 4/2 3/26 3/29 3/26	16.7 22.7 15.9 5.4 9.0 12.8 16.5 11.6 17.8 18.4 12.4 9.9	7.1 21.8 13.1 6.1 13.0 10.0 13.7 9.5 14.3 12.8 10.5 8.2	
MAY 1, 1971 Beaver Crk-Skunk Crk Ben Lomond(lower) Chalk Creek #2 Daniels-Strawberry Smt. Dry Bread Pond Mammoth R.SCtnwd. Crk.	7150 5850 8000 8000 8230 8800	48 72 48 48 48	18.4 26.5 18.0 14.0 19.0 21.9	4/29 4/25 4/26 4/27 4/29 4/28	17.2 23.8 15.9 12.2 16.9 10.2	13.0 21.9 13.3 12.2 15.8 18.3	14.9 23.0 13.6
JUNE 1, 1971							
Beaver Crk-Skunk Crk. Ben Lomond (lower) Daniels-Strawberry Smt. Dry Bread Pond Mammoth R.SCtnwd. Crk. White River #1	7150 5850 8000 8230 8800 8600	48 72 48 48 60 48	18.4 26.5 14.0 19.0 21.9 16.0	5/27 5/26 5/27 5/27 5/24 gage in	15.8 22.8 11.9 16.0 19.7 repair	16.7 22.9 12.3 16.7 19.7 16.1	13.0 23.1 16.7 17.8
	44-						
		*					

Agencies Cooperating in Utah Snow Surveys

U.S. GOVERNMENT AGENCIES

- U.S. Department of Agriculture Soil Conservation Service Forest Service
- U.S. Department of Commerce Weather Bureau
- U.S. Department of Interior
 Bureau of Reclamation
 Geological Survey
 National Park Service

STATE AGENCIES

Utah State University
Utah Fish and Game Department
Utah State Department of Natural
Resources, Division of Water Rights
Bear River Commissioner
Price River Commissioner
Provo River Commissioner
Sevier River Commissioners
Spanish Fork River Commissioner
Utah Lake and Jordan River Commissioner

MUNICIPALITIES

Manti Salt Lake City

ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association Board of Canal Presidents - Jordan River Emery Canal and Reservoir Company Moon Lake Water Users Association Ogden River Water Users Association Provo River Water Users Association Strawberry Water Users Association Sevier River Water Users Association

PRIVATE AGENCIES

Kaiser Steel Corporation

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